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KDL-40VE5

40" BRAVIA® VE Series LCD TV

Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Motionflow™ 120Hz technology
- High-efficiency HCFL backlight
- Dynamic contrast ratio: 100,000:1
- Conserve energy with Presence Sensor
- Energy-Saving power switch
- LightSensor™ technology
- Dynamic Backlight Control
- BRAVIA Engine™ 2 fully digital video processor
- BRAVIA® Sync™ capable[1]
- HD input x 7
- USB with photos and music
- BRAVIA® Link compatibility
- Favorites Menu function

Key Technologies

16:9 Full HD 1080p Resolution Panel (1920x1080) 16:9 Full HD 1080p resolution panel (1920 x 1080) accepts any HDTV signal and renders it with optimum resolution, so you can take full advantage of Blu-ray Disc™ players and Sony® PlayStation® 3 entertainment systems that can deliver 1080p content (all sold separately).

Motionflow™ 120Hz technology Engineered for fast-action sports, movies, and games, Motionflow 120Hz technology reduces judder and blurriness. Overall, motion is smoother, sharper, and more natural when watching your favorite HD content, DVDs, and even broadcast movies and prime-time programming.

High-efficiency HCFL backlight The 40-inch diagonal VE5 HDTV features an HCFL (Hot Cathode Fluorescent Lamp) backlight, which uses specialized components to provide optimum brightness as soon as you turn on the HDTV and to reduce power consumption by over 50% versus Energy Star 3.0 requirements in Home Mode. In fact, the KDL-40VE5 consumes only 90 watts -- as little as an incandescent light bulb.

Dynamic contrast Dynamic contrast involves real-time image processing that results in deep blacks in darker scenes, as well as fine details in shadows and other dark areas of the picture for a difference you can truly see.

Conserve energy with Presence Sensor The Presence Sensor helps you conserve energy when you forget to turn off the VE5 HDTV. If the Presence Sensor detects that you've been away from your HDTV for 5, 30, or 60 minutes, the backlight will automatically turn off, but the volume will remain on so you can still hear the sound. If you don't return after the display has been off for 30 minutes, the VE5 turns completely off.

Energy-saving standby power switch The new Energy Saving Switch, located on the side panel of the VE5, enables your HDTV to consume zero power when it's in standby mode, effectively eliminating the use of unnecessary power when you're not watching TV.

LightSensor® technology An integrated light sensor gauges the ambient light in the room and raises or lowers the brightness of the HDTV's backlight based on room lighting conditions. Dim the lights to watch a movie, and the light sensor also dims the backlight, reducing unnecessary power consumption even further.

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Features

General

Closed Captions (CC): Analog, Digital
Finish (Surface Color): Piano Black
Demo Mode: Yes
BRAVIA® Link Module support: DMX-DVD; DMX-WL1; DMX-SW1
XMB: Traditional

Display

Backlight Type: Eco Panel (HCFL)
Display Device: LCD

Video

Video Processing: BRAVIA Engine 2™ Technology
CineMotion® Reverse 3:2 Pulldown Technology: Yes
Game Mode: Yes
Wide Mode: Full, Normal, Wide Zoom, Zoom, Full Pixel
3D Comb Filter: Yes
Auto Wide: Yes
4:3 Default: Yes
24p True Cinema™ Technology: Yes
Picture Mode: Vivid, Standard, Cinema, Custom, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
Advanced Contrast Enhancer (ACE): Yes
Motionflow™ Technology: 120 Hz

Audio

Auto SAP: 20FM/10AM
Auto Mute (on no signal): Yes
Steady Sound® Automatic Volume Control: Yes
Audio Out: Fixed
Stereo System: MTS
Dolby®: Dolby® Digital (for broadcasting)
Alternate Audio (Digital): yes
SRS®: SRS® TruSurround XT®
Sound Mode: Clear Voice, Dynamic, Custom, Standard
S-Master: Standard

Convenience

Channel Jump: Yes
Multiple Language Display: English, Spanish, French
Info Banner: PSIP, XDS
Sleep Timer: Yes
Input Skip: Automatic
Channel Surf: Yes
Remote Control: RM-YD028
Channel Block (with password): Yes
Edit Channel Labels: Yes
Label Inputs: Yes
ID-1 Detection: Yes
On/Off Timer: Yes
USB Application(s): Photo Viewer (JPEG), Music Player (MP3)
Theatre Mode (Theatre Button): Yes
Show/Hide Channels: Yes
Auto Shut-off: Yes
BRAVIA® Sync™ : Yes
Parental Control: Yes
BRAVIA® Sync™ Menu Button: Yes (on Remote Control)
Channel Labels: Yes
Control for HDMI™ (HDMI™ CEC): Yes
Auto Photo Mode: Yes (via USB)
On-Screen Clock: Yes
Picture Adjustments Lock: Yes
White Balance: RGB Gain/Bias
Start Up BRAVIA® Logo Display: Yes
Favorites: Graphic
Favorites (Simple UI): Yes

Specifications

Display

Viewing Angle (Right/Left): 178 (89/89)
Viewing Angle (Up/Down): 178 (89/89)
On-screen Contrast Ratio: 4,500:1
Dynamic Contrast Ratio: 100,000:1
Screen Size (measured diagonally): 40"
Display Resolution: 1920 x 1080p (Full HD)
Panel Bit: 8-bit
Aspect Ratio: 16:9
Color Range (u'v'): 90% of NTSC
Color Range (xy): 72% of NTSC

TV System

Tuner (Cable): Clear QAM
Tuner (Terrestrial): ATSC™ / NTSC
Channel Coverage: VHF: 2-13ch
UHF: 14-69ch
CATV (analog): 1-135ch
CATV (digital) : 1-135ch
TV System (Analog): M
Number of Tuners (Digital): 1 (Hybrid)
TV System (Digital): ATSC
Color System: NTSC

Video

Video Signal: 1080/60p (HDMI™ / COMPONENT), 1080/60i, 1080/24p (HDMI™ ONLY), 720/60p, 480/60p, 480/60i

Audio

Audio Power Output: 20W (10W X 2)
Speakers (Total): 2
Speaker Configuration: 2.0

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 2 (Rear) (1 fixed, 1 selectable)
Composite Video Input(s): 2 (1 Side, 1 Rear (selectable))
Digital Audio Output(s): Optical Digital Output - 1 (Rear) PCM Only
RF Connection Input(s): 1 (Rear)
S-Video Input(s): 1 (Side)
Analog Audio Input(s) (Total): 5 (2 Side, 3 Rear)
Audio Out: 1 (Rear)
HDMI™ Connection(s) (Total): 4 (3 Side, 1 Rear)
PC In (D-Sub) + Audio In (Stereo Mini): 1 (Side) see owner's manual for supported timings
USB 2.0: 1 (Side)
HDMI™ PC Input: Yes (see owner's manual for supported timings)
S-Video Detection: Yes
AC Power Input: 1 (Rear)
Analog Audio Input(s) for HDMI™ : 1 (Rear)
USB 1.1: 1 (Rear) (Service only)

Power

Power Consumption (in Standby): 0.30 W
Power Requirements (voltage): AC 120V
Power Requirements (frequency): 60HZ
Power Consumption (in Operation) max.: 140 W

Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes
VESA® Hole Pitch: 300X300 M6/12-16MM

Service and Warranty Information

Limited Warranty Term: 1 Year Labor / 1 Year Parts
Online Instruction Manual (Reference Book): Yes

Energy Saving & Efficiency

LightSensor™ Technology: Yes
Power Saving Modes: Yes
Energy Star® compliant: Exceeds Energy Star® Version 3.0
Eco Settings: Yes
Dynamic Backlight Control: Yes
Backlight Off Mode: Yes
PC Power Management: Yes
Estimated Annual Energy Consumption (kWh): 166.33 kW
Power Consumption (On Mode) for Energy Star: 90W
Power Consumption (Standby Mode) for Energy Star: 0.30 W
Energy Saving Switch: Yes
Presence Sensor: Yes

Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)
Printed Materials: FSC Certified

Weights and Measurements

Weight (Approx.): 42.6 lbs. (19.3kg) with pedestal; 38.8 lbs. (17.6kg) without pedestal
Dimensions (Approx.): 38 7/8 x 27 x 10 3/4 in (987 x 684 x 271mm) with pedestal; 38 7/8 x 25 1/8 x 4 1/8 in (987 x 638 x 104mm) without pedestal
Packaging (Approx.): 47 1/8 x 30 3/4 x 8 1/2 in (1195 x 778 x 213mm)

Supplied Accessories

Remote Control RM-YD028
Batteries (Type AA x2)
AC Power Cord (separate)
Screws (4) for pedestal
Operating Instructions
Quick Setup Guide
Warranty Card
Table Top Stand (separate, pre-assembled)

Optional Accessories

SU-WL500 Wallmount Bracket
BRAVIA® DVD Link
BRAVIA® Input Link
BRAVIA® Wireless Link

UPC Code: 027242753259

1. Works with other BRAVIA® Sync™ or Theatre Sync™ labeled home audio/video products when connected via HDMI™ .
2. Limited to resolutions supported by both the PC and the Sony TV. See Sony TV user's manual and PC documentation for supported resolutions.

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Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).

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